

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

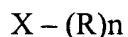
LISTING OF CLAIMS:

1. (currently amended): A light emitting element comprising at least one organic layer which includes a light emitting layer, and which is disposed between a pair of electrodes, wherein at least one layer of the at least one organic layer contains at least one compound consisting ~~essentially~~ of carbon, fluorine, hydrogen and nitrogen, and wherein the compound contains hydrogen atoms in an amount not greater than one hydrogen atom per six carbon atoms.

2. (canceled).

3. (previously presented): The light emitting element of claim 1, wherein the compound is a compound represented by the following general formula (A):

General formula (A)



wherein in general formula (A), X represents an aromatic ring group or a hetero cyclic ring group, which have atoms selected from the group consisting of carbon, fluorine and nitrogen; R represents a group consisting of carbon and fluorine, or a group consisting of carbon, fluorine and nitrogen; n represents an integer of 1 or more; and when X contains no nitrogen, at least one R contains at least one nitrogen.

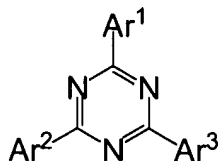
4. (original): The light emitting element of claim 3, wherein X further represents a single ring or a condensed ring.

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5. (previously presented): The light emitting element of claim 1, wherein the compound is a compound represented by the following general formula (I):

General formula (I)



wherein in general formula (I), each of Ar¹, Ar² and Ar³ represents an aryl group consisting of carbon and fluorine.

6. (original): The light emitting element of claim 5, wherein each of Ar¹, Ar² and Ar³ in the general formula (I) is selected from the group consisting of a perfluorophenyl group, a perfluorobiphenyl group, a perfluoronaphthyl group, a perfluoroanthracenyl group, a perfluorophenanthryl group, a perfluoropyrenyl group, a perfluoronaphthacenyl group and a perfluoroperylenyl group.

7. (original): The light emitting element of claim 1, wherein the compound has a glass transition temperature in a range of 130°C to 400°C.

8. (original): The light emitting element of claim 1, wherein light emission from an excited triplet state is utilized.

9. (original): The light emitting element of claim 8, wherein when light emission from an excited triplet state is utilized, the compound has a minimum excitation triplet energy level of 65 kcal/mol (272.35 kJ/mol) to 95 kcal/mol (398.05 kJ/mol).

10. (original): The light emitting element of claim 1, wherein the compound is used as an electron transporting material.

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11. (original): The light emitting element of claim 10, wherein the compound, which is used as an electron transporting material, is contained in an amount of 60 to 100% by mass in an organic layer containing the electron transporting material.

12. (original): The light emitting element of claim 1, wherein the compound is used as a host material in a layer containing a light emitting material.

13. (original): The light emitting element of claim 12, wherein the compound, which is used as a host material, is contained in an amount of 50 to 99.9% by mass in an organic layer containing the host material.

14. (original): The light emitting element of claim 1, wherein the at least one organic layer contains a phosphorescent material.

15. (original): The light emitting element of claim 14, wherein the phosphorescent material is a transition metal complex.

16. (original): The light emitting element of claim 15, wherein the transition metal complex is selected from the group consisting of an iridium complex, a platinum complex, a rhenium complex and a ruthenium complex.

17. (original): The light emitting element of claim 16, wherein the transition metal complex is an iridium complex.

18. (original): The light emitting element of claim 1, wherein the at least one organic layer is formed by a resistance heating vapor deposition method, a coating method or a transferring method.

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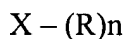
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19. (original): The light emitting element of claim 1, wherein the light emitting layer is formed by a coating method.

20. (previously presented): A light emitting element comprising at least one organic layer which includes a light emitting layer, and which is disposed between a pair of electrodes, wherein at least one layer of the at least one organic layer contains at least one compound consisting of carbon, fluorine and nitrogen.

21. (previously presented): The light emitting element of claim 20, wherein the compound is a compound represented by the following general formula (A):

General formula (A)

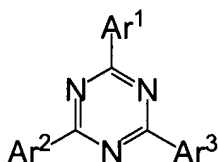


wherein in general formula (A), X represents an aromatic ring group or a hetero cyclic ring group, which have atoms selected from the group consisting of carbon, fluorine and nitrogen; R represents a group consisting of carbon and fluorine, or a group consisting of carbon, fluorine and nitrogen; n represents an integer of 1 or more; and when X contains no nitrogen, at least one R contains at least one nitrogen.

22. (previously presented): The light emitting element of claim 21, wherein X further represents a single ring or a condensed ring.

23. (previously presented): The light emitting element of claim 20, wherein the compound is a compound represented by the following general formula (I):

General formula (I)



wherein in general formula (I), each of Ar¹, Ar² and Ar³ represents an aryl group consisting of carbon and fluorine.

24. (previously presented): The light emitting element of claim 23, wherein each of Ar¹, Ar² and Ar³ in the general formula (I) is selected from the group consisting of a perfluorophenyl group, a perfluorobiphenyl group, a perfluoronaphthyl group, a perfluoroanthracenyl group, a perfluorophenanthryl group, a perfluoropyrenyl group, a perfluoronaphthacenyl group and a perfluoroperylenyl group.

25. (previously presented): The light emitting element of claim 20, wherein the compound has a glass transition temperature in a range of 130°C to 400°C.

26. (previously presented): The light emitting element of claim 20, wherein light emission from an excited triplet state is utilized.

27. (previously presented): The light emitting element of claim 26, wherein when light emission from an excited triplet state is utilized, the compound has a minimum excitation triplet energy level of 65 kcal/mol (272.35 kJ/mol) to 95 kcal/mol (398.05 kJ/mol).

28. (previously presented): The light emitting element of claim 20, wherein the compound is used as an electron transporting material.

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29. (previously presented): The light emitting element of claim 28, wherein the compound, which is used as an electron transporting material, is contained in an amount of 60 to 100% by mass in an organic layer containing the electron transporting material.

30. (previously presented): The light emitting element of claim 20, wherein the compound is used as a host material in a layer containing a light emitting material.

31. (previously presented): The light emitting element of claim 30, wherein the compound, which is used as a host material, is contained in an amount of 50 to 99.9% by mass in an organic layer containing the host material.

32. (previously presented): The light emitting element of claim 20, wherein the at least one organic layer contains a phosphorescent material.

33. (previously presented): The light emitting element of claim 32, wherein the phosphorescent material is a transition metal complex.

34. (previously presented): The light emitting element of claim 33, wherein the transition metal complex is selected from the group consisting of an iridium complex, a platinum complex, a rhenium complex and a ruthenium complex.

35. (previously presented): The light emitting element of claim 34, wherein the transition metal complex is an iridium complex.

36. (previously presented): The light emitting element of claim 20, wherein the at least one organic layer is formed by a resistance heating vapor deposition method, a coating method or a transferring method.

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37. (previously presented): The light emitting element of claim 20, wherein the light emitting layer is formed by a coating method.